

Selected TRACES Papers:

Endocrine Disruptor Exposure Causes Infochemical Dysregulation and an Ecological Cascade from Zooplankton to Algae

Tae-Yong Jeong, Myrna J. Simpson

Environ. Sci. Technol. 2021, 55, 6, 3845–3854

Peptide-Polydopamine Nanocomposite Hydrogel for a Laser-Controlled Hydrophobic Drug Delivery

Natashya Falcone, Nesha May O. Andoy, Ruby May A. Sullan*, and Heinz-Bernhard Kraatz*

ACS Appl. Bio Mater. 2021, 4, 9, 6652–6657

Enzyme Entrapment in Amphiphilic Myristyl-Phenylalanine Hydrogels

Natashya Falcone, Tsuimy Shao, Roomina Rashid, Heinz-Bernhard Kraatz

Molecules 2019, 24(16), 2884;

Cross-Linking Bi2S3 Ultrathin Nanowires: A Platform for Nanostructure Formation and Biomolecule Detection

Ludovico Cademartiri†§, Francesco Scotognella†||, Paul G. O’Brien‡, Bettina V. Lotsch†⊥, Jordan Thomson†, Srebri Petrov†, Nazir P. Kherani‡, and Geoffrey A. Ozin

Nano Lett. 2009, 9, 4, 1482–1486

Enhanced Electrochemical Reduction of CO₂ Catalyzed by Cobalt and Iron Amino Porphyrin Complexes

Maryam Abdinejad, Ali Seifitokaldani, Caitlin Dao, Edward H. Sargent*, Xiao-an Zhang*, and Heinz Bernhard Kraatz

ACS Appl. Energy Mater. 2019, 2, 2, 1330–1335

A Second Generation Mn-Porphyrin Dimer with a Twisted Linker as a Potential Blood Pool Agent for MRI: Tuning the Geometry and Binding with HAS

Hanlin Liu, Xiao-an Zhang

Pharmaceuticals 2020, 13(10)

Electrochemical Immunosensors for Effective Evaluation of Amyloid-Beta Modulators on Oligomeric and Fibrillar Aggregation Processes

Anthony J. Veloso†, Ari M. Chow‡, Hashwin V. S. Ganesh‡, Nan Li†, Devjani Dhart†, David C. H. Wu†, S. Mikhaylichenko†, Ian R. Brown‡, and Kagan Kerman

Anal. Chem. 2014, 86, 10, 4901–4909

Reactive Uptake of Gas-Phase NO₂ by Urban Road Dust in the Dark
Zoë M. Golay, Stephanie H. Jones, and D. James Donaldson
ACS Earth Space Chem. 2022, 6, 11, 2666–2672

Nanocomposite of Ellagic Acid with Multi-Walled Carbon Nanotubes for the Simultaneous Voltammetric Detection of Six Biomolecules
Najmeh Sabbaghi, Meissam Noroozifar, Kagan Kerman
Journal of Carbon Research, C 2021, 7(2), 43

Understanding the Inhibitory and Antioxidant Effects of Pyrroloquinoline Quinone (PQQ) on Copper(II)-Induced α -Synuclein-119 Aggregation
ShaoPei Li, Aruna Raja, Meissam Noroozifar, and Kagan Kerman
ACS Chem. Neurosci. 2022, 13, 8, 1178–1186

Facilitating Students' Review of the Chemistry of Nitrogen-Containing Heterocyclic Compounds and Their Characterization through Multistep Synthesis of Thieno[2,3-b]Pyridine Derivatives
Hanlin Liu, Vladimir Zaplishnyy, and Lana Mikhaylichenko
J. Chem. Educ. 2016, 93, 10, 1785–1787

Organomineralization of proto-dolomite by a phototrophic microbial mat extracellular polymeric substances: Control of crystal size and its implication for carbonate depositional systems
Carlos Paulo, Judith A. Mckenzie, Basirath Raoof, Jörg Bollmann, Roberta Fulthorpe, Christian J. Strohmenger and Maria Dittrich
American Journal of Science January 2020, 320 (1) 72-95

Amino Acid Chirality and Ferrocene Conformation Guided Self-Assembly and Gelation of Ferrocene–Peptide Conjugates. Adhikari, B., Singh, A., Lough, A.J. and Kraatz, H.-B.
Chem. Eur. J., 21: 11560-11572

Variation in wood C and N in temperate tree tissues
Adam R. Martin, Sossina Gezahegn, and Sean C. Thomas
Can. J. For. Res.03/17/15

Multi-component peptide hydrogels – a systematic study incorporating biomolecules for the exploration of diverse, tuneable biomaterials
Natashya Falcone, Tsuimiy Shao, Nesha May O. Andoy, Roomina Rashid, Ruby May A. Sullan, Xiaoyi Sun, and Heinz-Bernhard Kraatz
Biomater. Sci., 2020, 8, 5601-5614